

## METHOD FOR CONTROLLING PILOT POWER OF A CELL WITHIN A CDMA SYSTEM

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### ABSTRACT OF THE DISCLOSURE

- The invention provides a method for controlling pilot power within a CDMA system by either conditionally increasing or conditionally decreasing
- 10 the pilot power of a cell when a transcoder loss per frame of the cell exceeds a threshold value. A cell performance matrix of the cell, and a cluster performance matrix of a cell cluster neighboring the cell are computed when a transcoder loss per frame of the cell exceeds the threshold value. The pilot power is increased when both the cell performance matrix is equal to or
- 15 greater than the cluster performance matrix and the pilot power is greater than a minimum level. The pilot power is decreased when both the cell performance matrix is less than the cluster performance matrix and the pilot power is less than a maximum level.

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